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Research interests:

- Video Encoding
- Digital Signal Processing

Additional research interests:

- Control Theory
- Biomedical Signal Processing

Graduation project:

HEVC – High Efficiency Video Coding

- Encoding test video sequences (on Full HD resolutions and above) using the H.265, H.264 and Thor video codecs
- Comparing encoded sequences by means of both objective (PSNR, SSIM) and subjective metrics
- Evaluating results

Hopefully, the ultimate goal would be new ideas to improve encoding time or/and output file size of the H.265 video codec.